

10/665,506

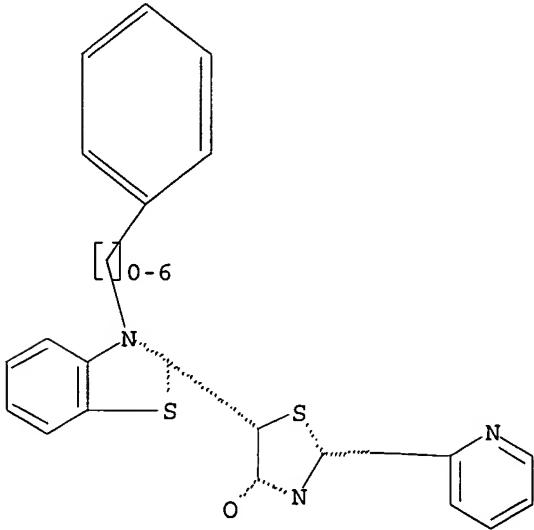
=> file caplus
FILE 'CAPLUS' ENTERED AT 14:05:52 ON 08 MAR 2005
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FILE COVERS 1907 - 8 Mar 2005 VOL 142 ISS 11
FILE LAST UPDATED: 7 Mar 2005 (20050307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 4 SEA FILE=REGISTRY SSS FUL L1
L4 1 SEA FILE=CAPLUS L3

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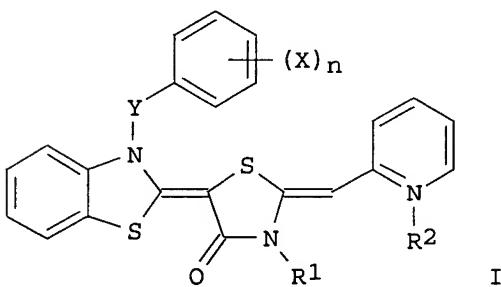
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:837540 CAPLUS
DN 141:345761
TI Radioiodine-labeled [[N-(phenylalkyl)benzothiazolinylidene]thiazolidinylidene]enemethyl]pyridinium compounds and scintigraphic imaging agents containing them
IN Makada, Yasuhiro; Saji, Hideo

PA Fuji Photo Film Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004284959 US 2004228793	A2 A1	20041014 20041118	JP 2003-75638 US 2003-665506 JP 2003-75638	20030319 20030922 A 20030319
OS	MARPAT 141:345761				
GI					



AB The radiolabeled compds., which are selectively accumulated in tumor cells and tumor tissues and useful for scintigraphic imaging of tumors, are represented by I [X = radioiodine; n = 1-3; R1, R2 = (un)substituted alkyl; Y = C1-6 alkylene; M = counterion; m = number required to neutralize the charge of the mol.]. Thus, uptakes of I (X = 4-125I, R1= R2 = Et, M = tosylate) (preparation given) by human colorectal cancer cells LS180, ovarian cancer cells SHIN-III, and glioma U87MG were higher than that by NIH3T3 cells.

IT 774223-48-2P

RL: DGN (Diagnostic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinylidene]thiazolidinylidene]methyl]pyridinium salts as scintigraphic agents for tumor imaging)

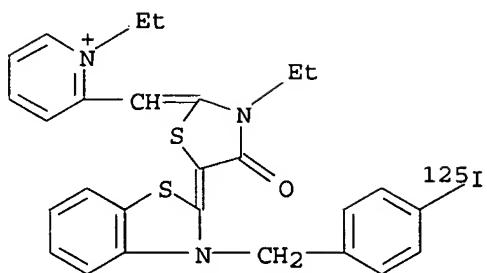
RN 774223-48-2 CAPLUS

CN Pyridinium, 1-ethyl-2-[3-ethyl-5-[3-[[4-(iodo-125I)phenyl]methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinylidene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

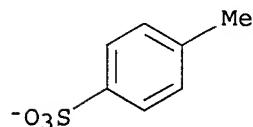
CM 1

CRN 774223-47-1

CMF C27 H25 I N3 O S2



CM 2

CRN 16722-51-3
CMF C7 H7 O3 S

IT 774223-46-0P

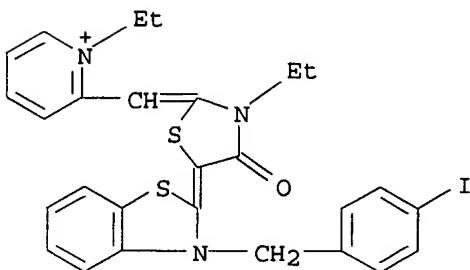
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolylidene]thiazolidinylidene]pyridinium salts as scintigraphic agents for tumor imaging)

RN 774223-46-0 CAPLUS

CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[3-[(4-iodophenyl)methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinylidene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

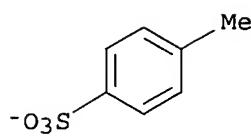
CM 1

CRN 774223-45-9
CMF C27 H25 I N3 O S2

CM 2

CRN 16722-51-3
CMF C7 H7 O3 S

10/665,506



=> => file uspatall

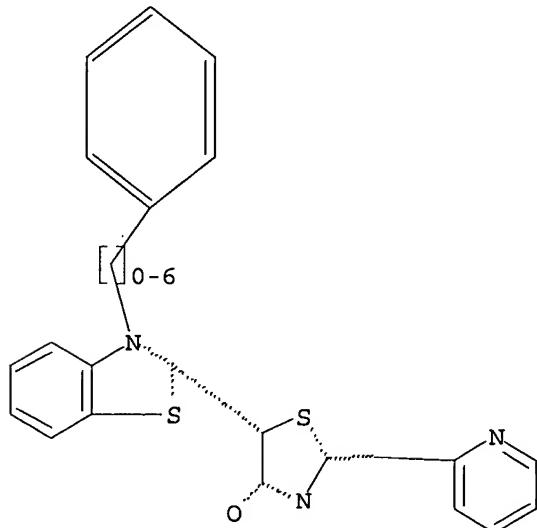
FILE 'USPATFULL' ENTERED AT 14:06:32 ON 08 MAR 2005
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FILE 'USPAT2' ENTERED AT 14:06:32 ON 08 MAR 2005

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=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 4 SEA FILE=REGISTRY SSS FUL L1

L5 1 SEA L3

=> d 15 ibib abs hitstr

L5 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2004:291713 USPATFULL

TITLE: Radioactive iodine-labeled compound

INVENTOR(S): Magata, Yasuhiro, Hamamatsu-shi, JAPAN

Saji, Hideo, Kyoto-shi, JAPAN

PATENT ASSIGNEE(S): FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004228793	A1	20041118
APPLICATION INFO.:	US 2003-665506	A1	20030922 (10)

NUMBER	DATE
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PRIORITY INFORMATION: JP 2003-75638 20030319
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W.,
 SUITE 800, WASHINGTON, DC, 20037

NUMBER OF CLAIMS: 6
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 1 Drawing Page(s)
 LINE COUNT: 541
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A radioactive iodine-labeled compound represented by the following formula ##STR1##

wherein X represents a radioactive iodine atom which may substitute at an arbitrary position on the benzene ring (preferably ^{123}I , ^{125}I and the like.), n represents an integer of 1 to 3, R.¹ and R.² each independently represent a substituted or unsubstituted alkyl group, Y represents an alkylene group having 1 to 6 carbon atoms (preferably methylene group), M represents a counter ion, and m represents the number of ions required to neutralize the charge of the molecule. A radioactive iodine-labeled compound that can selectively accumulate in tumor cells or tumor tissue and a scintillation imaging agent containing the compound are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 774223-48-2P

(preparation of radioiodine-labeled [[N-(phenylalkyl)benzothiazolinylidene]thiazolidinylidenemethyl]pyridinium salts as scintigraphic agents for tumor imaging)

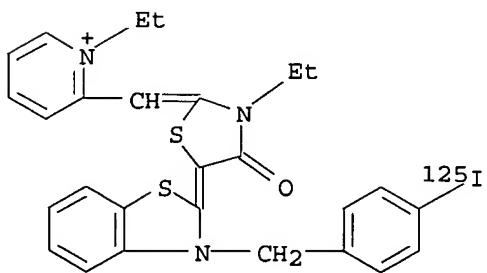
RN 774223-48-2 USPATFULL

CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[3-[[4-(iodo-125I)phenyl]methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinylidene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 774223-47-1

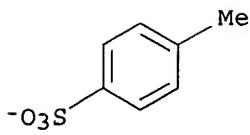
CMF C27 H25 I N3 O S2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



IT 774223-46-0P

(preparation of radioiodine-labeled [(N-(phenylalkyl)benzothiazolinylidene)thiazolidinylidene]pyridinium salts as scintigraphic agents for tumor imaging)

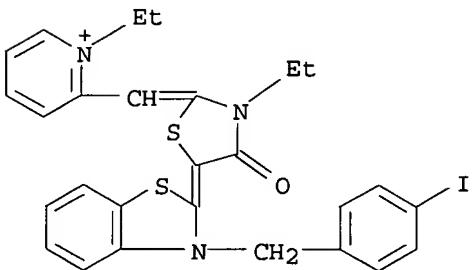
RN 774223-46-0 USPATFULL

CN Pyridinium, 1-ethyl-2-[[3-ethyl-5-[(4-iodophenyl)methyl]-2(3H)-benzothiazolylidene]-4-oxo-2-thiazolidinylidene]methyl]-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

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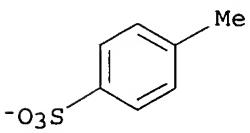
CMF C27 H25 I N3 O S2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



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